

REGIONAL METEOROLOGICAL CENTRES



**GOBIERNO
FEDERAL**

SEMARNAT



MC. F. Adrián Vázquez Gálvez

Coordinador General del Servicio Meteorológico Nacional



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MEXICO: Naturally prone to extreme weather events

"Variety of climates "

In the Gulf of Mexico plains are formed from a hydrology that originates in the mountains and descends towards the sea.



In the Pacific Ocean side we have a wide range of small and medium watersheds with short paths and steep grades



In both cases, the hydrology is defined by the country's geographical position which lies over the great cyclonic movements which are formed both in the Pacific Ocean and in the Atlantic and the Caribbean

Hydrological-Administrative Region of the CNA

For purposes of administration and preservation of national waters, from 1997 the country has been divided into 13 Hydrological-Administrative Region. Hydrological-Administrative Regions are formed by groups of basins, considered the basic units of water resources management, but respect the municipal boundaries, to facilitate the integration of socioeconomic information.



The CGSMN depends of the CNA and is headquartered in Mexico City.

National Water Program 2007-2012

Includes strengthening the operation of the Mexican National Weather Service



Objective 6:

Risk prevention from Meteorological and hydrometeorological events and attend to their effects



Strategy 6:

Perform Preventive measures to address more effectively the hydrometeorological events

Indicator		Goal	2006	2007-2012	To date 2012
6.6.2	Regional Regional Meteorological Centres installed	5	0	3	3

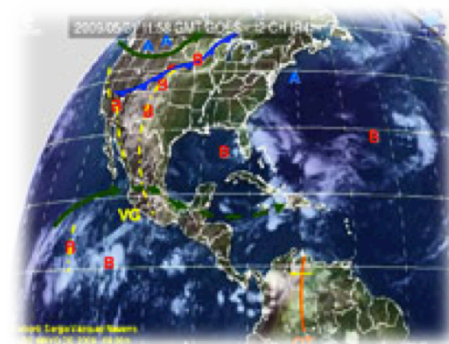
Regional Centers

Mission:

Provide forecasts, alerts and strategic information on the weather for the region useful in supporting decision-making.

Vision:

To be recognized as an effective regional organization that provides information and modern reliable, useful and timely information on weather to contribute to adequate prevention and decision-making, applying technological innovations and scientific advances with highly qualified personnel in coordination with and under the regulations of the National Weather Service .

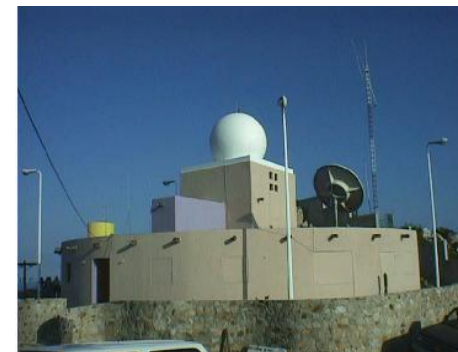


Strategic Objectives:

Strengthen institutional coordination in planning, organization, operation and network performance monitoring and issuing of weather for strategic areas.

Focus institutional efforts to improve specialization and quality of meteorological information in the region.

Offering services for observation, monitoring, surveillance, forecasting and hydrological forecasting in the region.



Zoning of areas of the Regional Meteorological Centres

First Exercise

Northwest	Region I
North and Northeast	Region II
Gulf of Mexico	Region III
West	Region IV
Valley of Mexico	Region V
South Pacific	Region VI
Southern Border	Region VII
Yucatan Peninsula	Region VIII



Aspects considered:

1. Zoning Thiessen polygons to points where there is weather or climate information.
2. Physical characteristics of the regions.
3. Synoptic Climatology of meteorological phenomena.

First Regional Meteorological Centers



Projects Status

Regional Center	Budget for project / Project	Observations
Chiapas.	Autorized/ Under construction	Construction will be finished on May 2012.
Veracruz	Autorized / On going	Executive project finished. Budget authorized to start construction on 2012.
Yucatán	Autorized / Project 2013-2014	Executive project finished. Budget authorized to start construction on 2013.
Valle de México	Autorized / On going	Facilities available to adapt on 2012 the building to project requirements.
Sonora	To be authorized	Final location to be defined this year.

INFRASTRUCTURE FOR METEOROLOGY – HYDROLOGY AREA

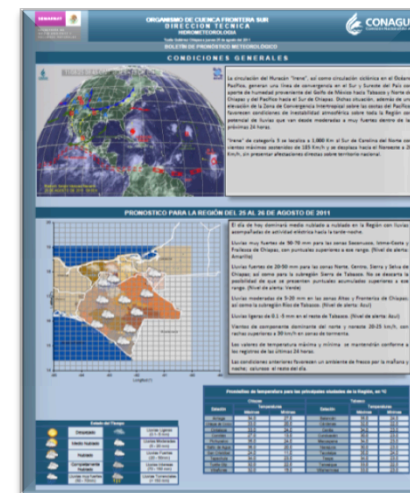
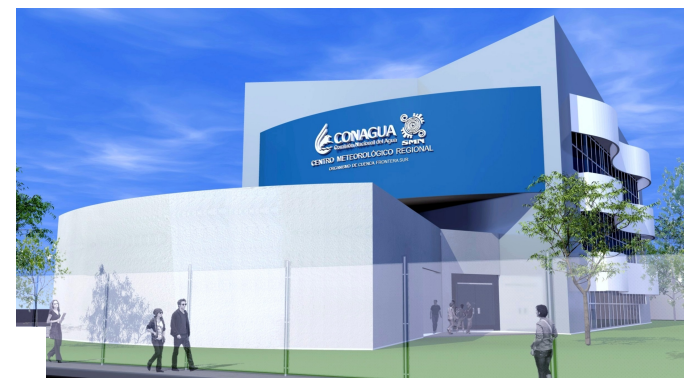
- State of the art equipment and systems (WSI-DIGIT, AWIPS, Early Warning System)
- Special Area for Meteorologists, Hydrologists
- Video-Conference Area
- Power system capable of operation and ongoing support
- Boardroom weather discussion
- Computer Center
- Press Room
- Screens for specific hydrometeorological monitoring





Regional Meteorological Center Tuxtla Gutiérrez, Chiapas

- It will provide more information to more users with better capabilities at regional level.
- Alternatives are being evaluated to become self-sustaining



Regional Hidrometeorological
Center
Tuxtla Gutiérrez, Chiapas

During its implementation and growth

Regional coverage



Muchas Gracias